

Goat PNPLA3/Adiponutrin Polyclonal Antibody | anti-PNPLA3 antibody

Goat anti-PNPLA3/Adiponutrin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13661	Goat	Tested: Human, Mouse Expected from sequence similarity: Human, Mouse, Rat	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

PNPLA3/Adiponutrin; Polyclonal Antibody; Goat anti-PNPLA3/Adiponutrin Antibody; Pnpla3; patatin-like phospholipase domain containing 3; Adpn; adiponutrin; Pnpla3 antibody; patatin-like phospholipase domain containing 3 antibody; Adpn antibody; adiponutrin antibody; Adiponutrin; PNPLA3 / Adiponutrin; anti-PNPLA3 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Tested: Human, Mouse Expected from sequence similarity: Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	100ug specific antibody in 200ul (varies by lot)
Sequence	EHDICPKVKS TN
Sequence Length	384
Applicable Applications for anti-PNPLA3 antibody	ELISA (Peptide ELISA), WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Peptide ELISA: Antibody detection limit dilution 1: 128000. Immunohistochemistry: In paraffin embedded Human Skin shows membranous staining of basak kayer cells. Recommended concentration, 4-6ug/ml. Western Blot: Approx 45kDa band observed in Mouse Adrenal gland lysates (calculated MW of 42.6kDa according to Mouse NP_473429.2) Recommended concentration: 0.01-0.03ug/ml. Primary incubation 1 hour at room tempeture. IHC: Paraffin embedded Human Kidney. Recommended concentration: 8ug/mL.
Immunogen	Peptide with sequence EHDICPKVKSTN, from the internal region of the protein sequence according to NP_473429.2.
Note	This antibody is raised against a peptide derived from the Mouse protein sequence and this peptide differs from Human only in position 2.
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Mitochondrial staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



IHC (Immunohistochemistry)

Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



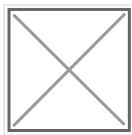
IHC (Immunohistochemistry)

8ug/ml staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



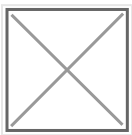
IHC (Immunohistochemistry)

3.8ug/ml staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



WB (Western Blot)

0.01ug/ml staining of Mouse (A) and Rat (B) Adrenal gland lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



WB (Western Blot)

0.05ug/ml staining of Mouse Heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	144226245
NCBI GeneID	116939
NCBI Accession #	NP_473429.2
NCBI GenBank Nucleotide #	NM_054088.3
NCBI Official Full Name	patatin-like phospholipase domain-containing protein 3
NCBI Official Synonym Full Names	patatin-like phospholipase domain containing 3
NCBI Official Symbol	Pnpla3
NCBI Official Synonym Symbols	Adpn
NCBI Protein Information	patatin-like phospholipase domain-containing protein 3
UniProt Protein Name	Patatin-like phospholipase domain-containing protein 3
UniProt Gene Name	Pnpla3
UniProt Synonym Gene Names	Adpn; iPLA2-epsilon
UniProt Entry Name	PLPL3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.